

## EDUCATION

**Purdue University - West Lafayette - Computer Science (B.S)**

AUGUST 2018 - MAY 2022

- GPA: 3.85
- Concentrations: Software Engineering and Machine Intelligence

## SKILLS

**Languages:** JavaScript, Python, C, Java, R

**Technologies:** Node.js, Docker, MongoDB, Redis

**Libraries:** React, PyQt, Django, RShiny

**DevOps:** Agile, Git, CI/CD, GCP

## WORK EXPERIENCE

**Cummins - Software Engineering Intern**

MAY 2021 - DECEMBER 2021

- Built API endpoint, using Python and Django, that is utilized in a dashboard to screen potential repair projects for adequate data quantity and prioritize projects based on financial value to maximize repair value.
- Enhanced user experience across the frontend, made with React, by implementing windowing logic in large list components and designing API calls to be asynchronous.
- Engineered React component that enables Cummins dashboard users to save and load their selected project screening filters, saving time for users.

**Purdue Data Mine, Purdue Athletics - Undergraduate Data Science Researcher**

AUGUST 2020 - MAY 2021

- Created a web app, using JavaScript and R, to visualize ticket sales data through an interactive view of the football stadium, making it significantly easier for the department to analyze and view over 50,000 ticket sales for every home football game.
- Developed Python script to convert department ticket sale data, given in .txt format, into a dictionary data type, enabling ease of ticket sale analysis

**MINED XAI - Data Visualization Intern**

MAY 2021 - AUGUST 2021

- Designed custom modules for circle packing charts, line graphs, pie charts, and scatter plots, using PyQt and Python, that are utilized in code across the company, offering employees quick and customizable graphics for displaying data.
- Developed a Python function for downloading images of graphs on the company dashboard, saving time for users.

## PROJECTS

**Archive Albums ( [archivealbums.com](http://archivealbums.com) )**

JANUARY 2022 - FEBRUARY 2022

- Crafted a full-stack application using React, Node, MongoDB, and Redis, with authentication, that offers an easy means for music listeners to keep track of what albums they want to listen to.
- Integrated a CD pipeline, using Docker, Github Actions, and Google Cloud Platform, which decreased the development time of the project by automatically building and deploying committed code.

**eProtect ( [eprotect.app](http://eprotect.app) )**

JANUARY 2021 - MAY 2021

- Built a web application, working under the Scrum Agile Methodology performing the role of Scrum Master, using Node.js and MongoDB that enables users to create disposable emails to protect their privacy online.

## CAMPUS INVOLVEMENT

**Purdue Hackers - Web Developer**

OCTOBER 2018 - MAY 2019

- Implemented integration and user testing, using Jest, that improved the security and quality of the club website's backend server.